

1/8

FIG. 1A

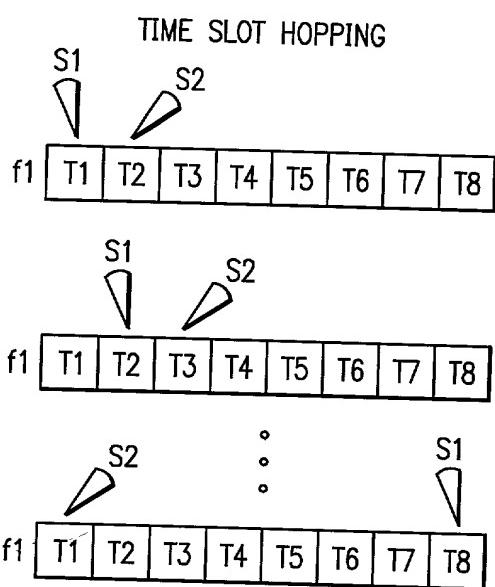
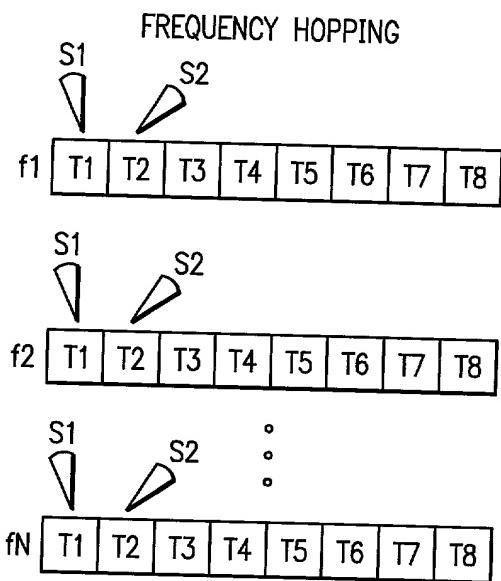
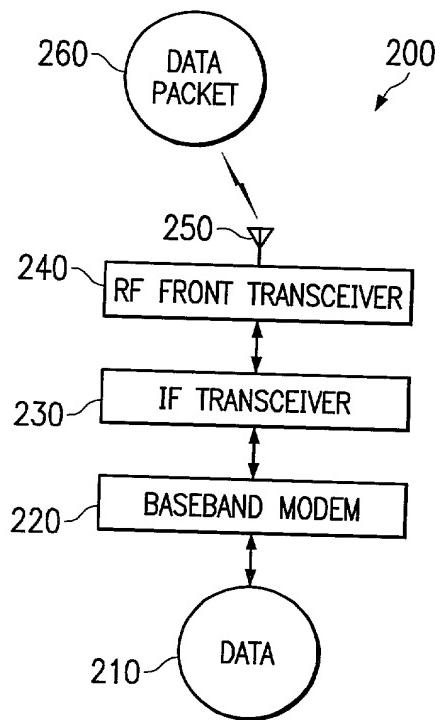
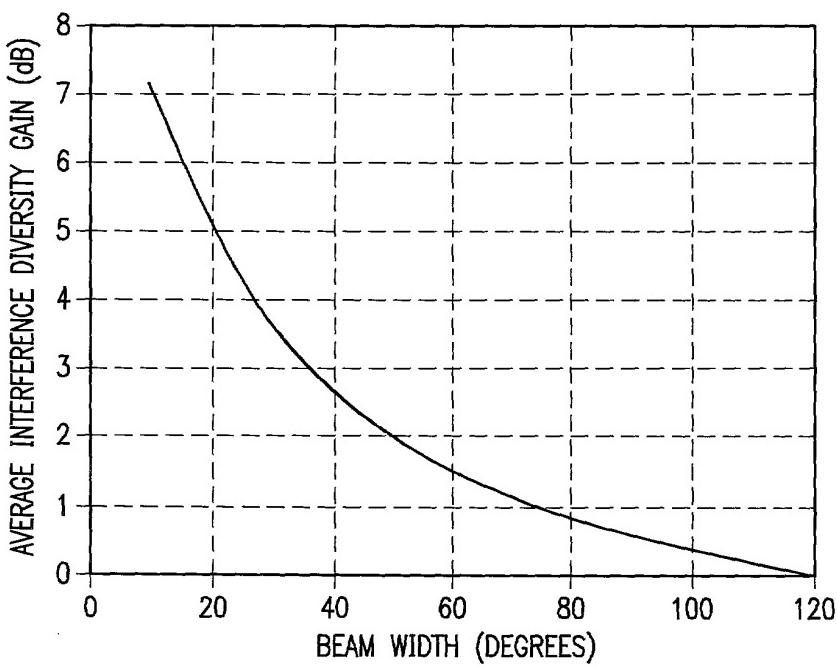
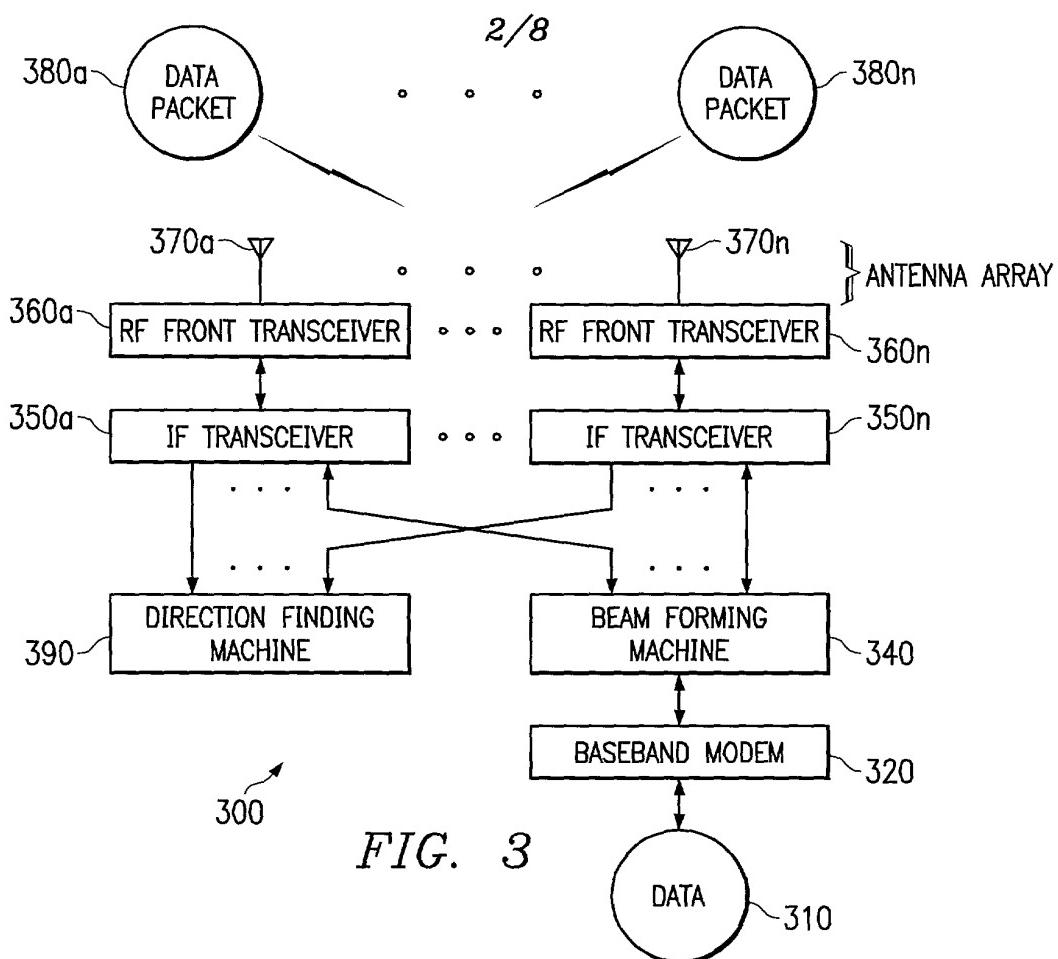


FIG. 1B

FIG. 2  
(PRIOR ART)



3/8

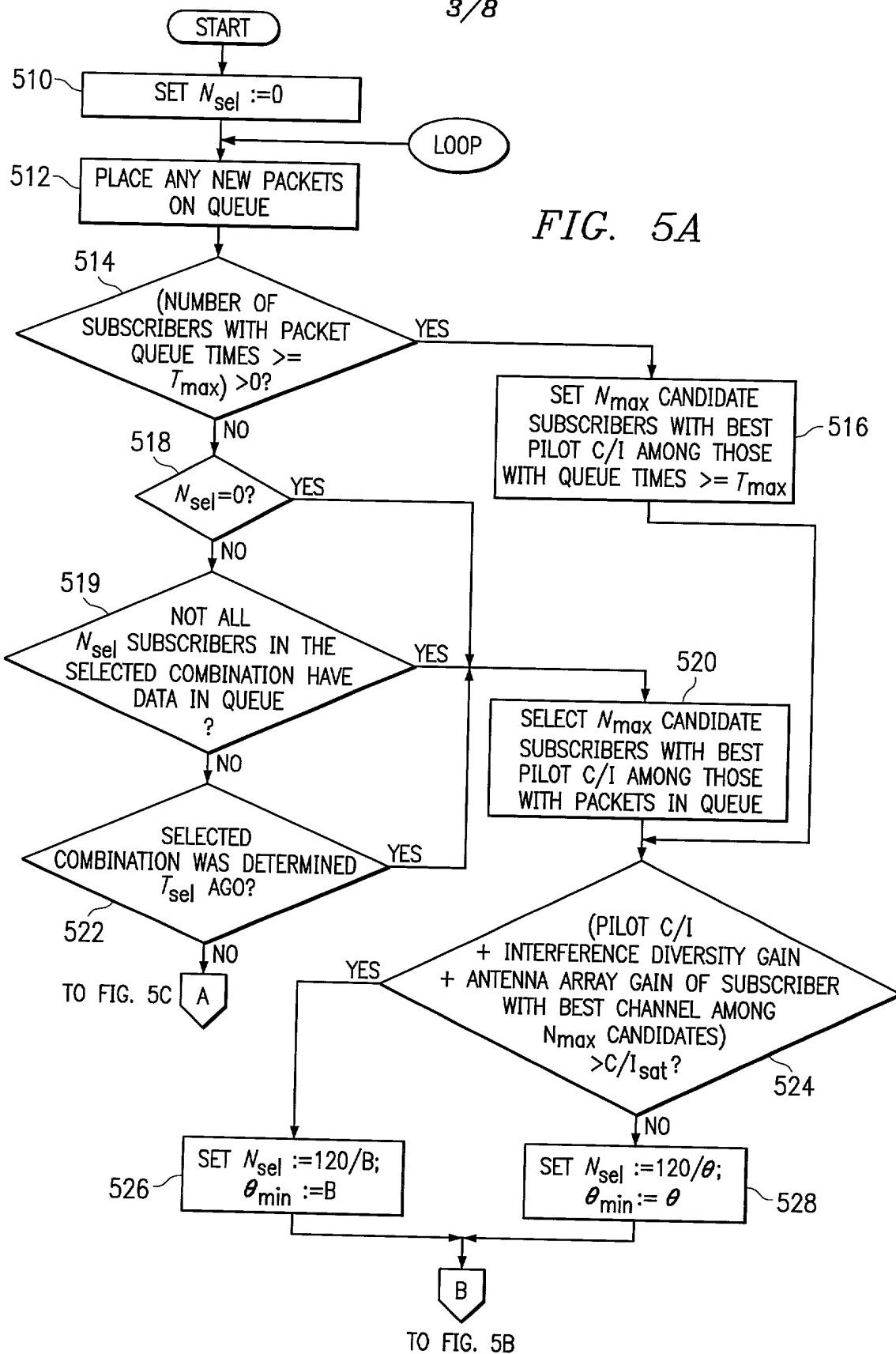
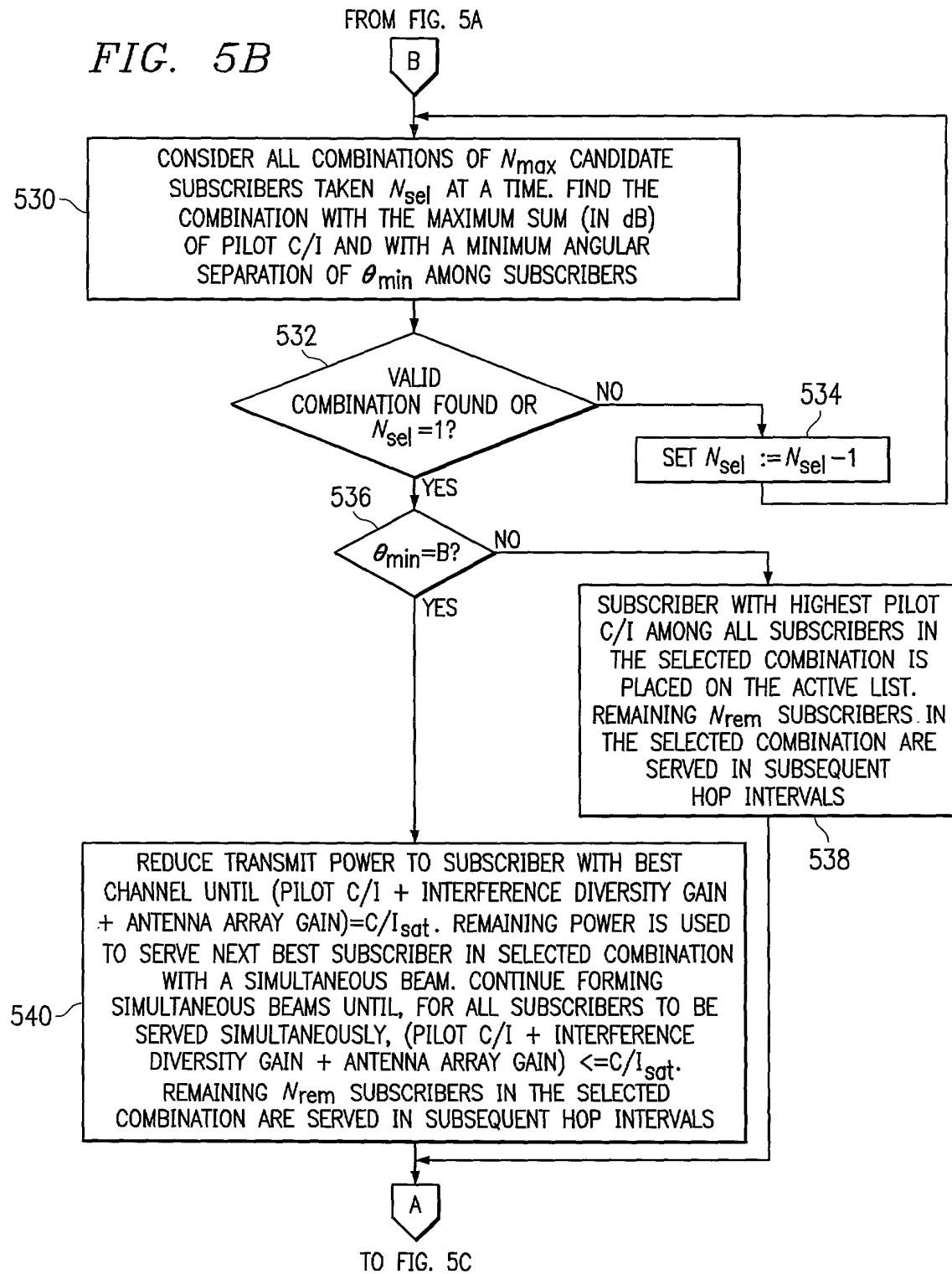


FIG. 5A

4/8



5/8

FROM FIG. 5A,5B

FIG. 5C

542

FOR EACH SUBSCRIBER  $k$  OUT OF  $N_{\text{sub}}$  TO BE SERVED SIMULTANEOUSLY IN CURRENT HOP INTERVAL, DETERMINE DATA RATE USING (PILOT C/I + INTERFERENCE DIVERSITY GAIN + ANTENNA ARRAY GAIN) AND TABLE OF REQUIRED C/I VERSUS DATA RATE. SET  $k := 1$

544

$k \leq N_{\text{sub}}?$

YES

DATA RATE FOR SUBSCRIBER  $k > 0?$

548

NO

(NUMBER OF CONSECUTIVE TIMES THAT DATA RATE=0 FOR SUBSCRIBER  $k$ )  $\geq N_{\text{drop}}$ ?

552

YES

554

DROP SUBSCRIBER  $k$ . SET  $k := k+1$ 

546

TRANSMIT DATA TO SUBSCRIBERS IN ACTIVE LIST. INCREMENT HOP INTERVAL

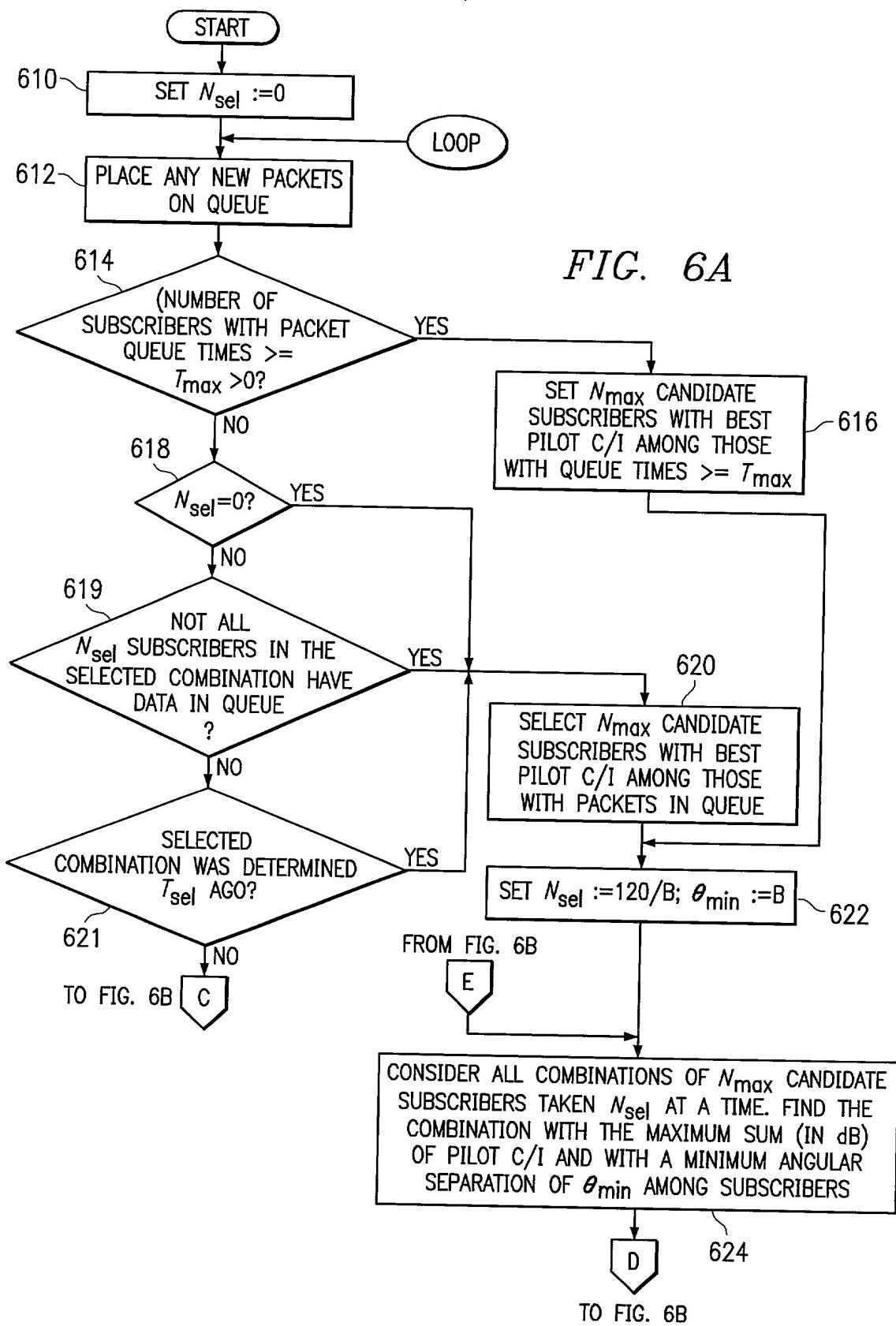
LOOP

ADD SUBSCRIBER  $k$  TO ACTIVE LIST OF SUBSCRIBERS FOR TRANSMISSION IN CURRENT HOP INTERVAL. SET  $k := k+1$

SET  $k := k+1$ 

556

6/8



7/8

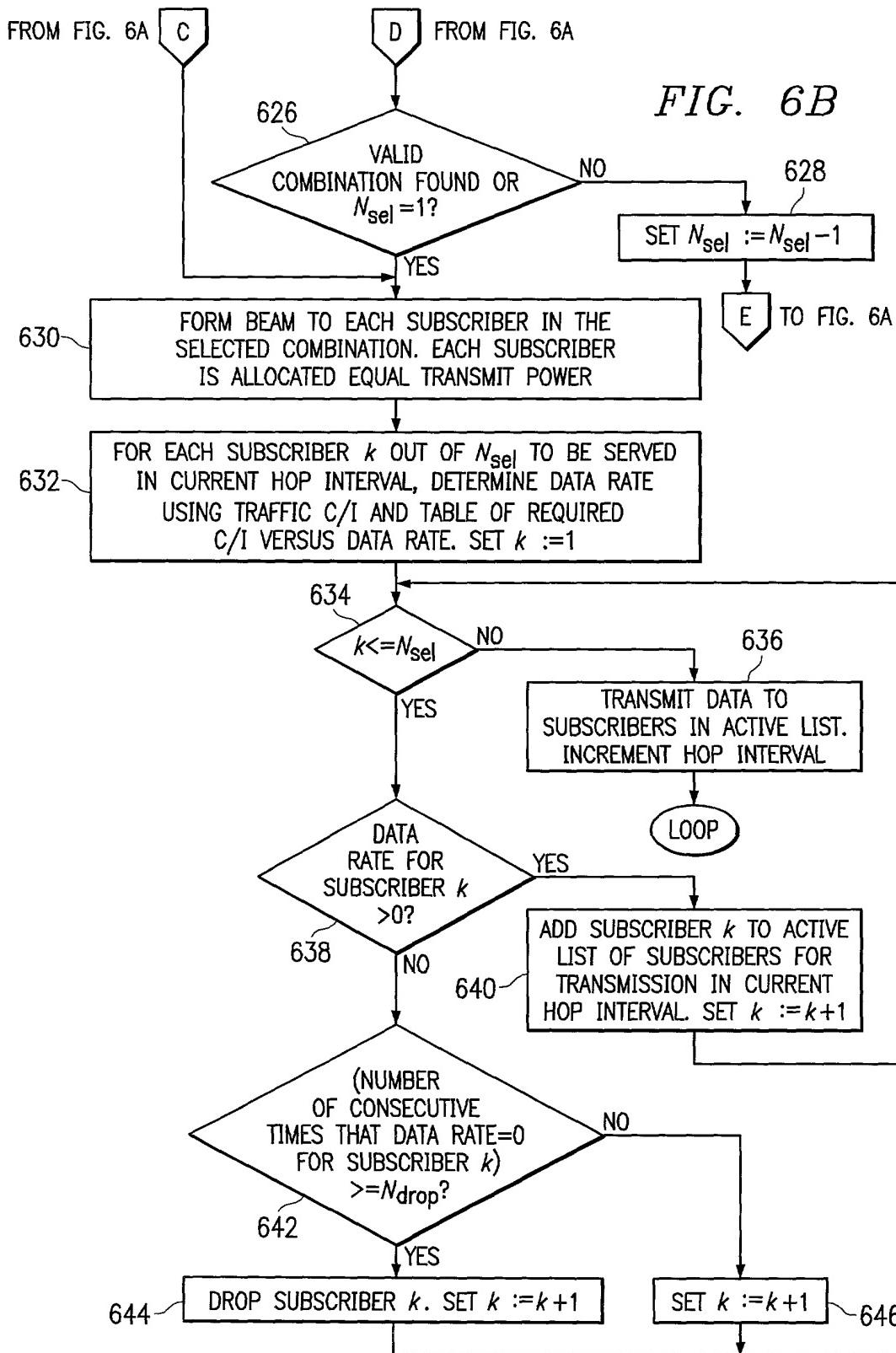


FIG. 7

8/8

FAST  
HOPPING  
NO BEAM  
FORMING

